

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL LOCATED AT THE INTERSECTION OF US 50 AND DUTCHMAN'S LANE IN EASTON, TALBOT COUNTY. THE MODIFICATION INCLUDES CHANGING THE EXCLUSIVE/PERMISSIVE (E/P) PHASE TO EXCLUSIVE PHASE FOLLOWED BY A FLASHING LEFT TURN ARROW PHASE. US 50 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

- 1. THE INTERSECTION WILL OPERATE AS A NEMA SIX-PHASE FULLY ACTUATED WITH EXCLUSIVE/PERMISSIVE FLASHING RED ARROW LEFT TURN FOR THE MAINLINE (US 50) APPROCHES AND SPLIT PHASE OPERATION FOR THE SIDE STREET (DUTCHMAN'S LANE).
- 2. THE EXISTING NEMA FULL TRAFFIC ACTUATED EIGHT-PHASE CONTROLLER HOUSED IN A NEMA 6 BASE MOUNTED CABINET IS UTILIZED AT THIS INTERSECTION.

CONTACT LIST:

DISTRICT 2 OFFICE

MR. JEFFREY WENTZ
ASSISTANT DISTRICT ENGINEER - TRAFFIC
(410) 810-3240

MR. BARRY CLOTHIER
ASSISTANT DISTRICT ENGINEER - UTILITIES
(410) 810-3275

MR. HENRY TEETS
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
(410) 810-3250

OFFICE OF TRAFFIC AND SAFETY

MS. CORREN JOHNSON
CHIEF, TRAFFIC OPERATIONS
(410) 787-7630

MR. EDWARD RODENHIZER
MANAGER, SIGNAL OPERATIONS
(410) 787-7650

MR. EUGENE BAILEY
MANAGER, SIGN OPERATIONS
(410) 787-7670

PHASING CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
PHASE 1 & 5	←G←	←G←	R	R	←G←	←G←	R	R	R	R	R	R	R	R	DW	DW	DW	DW
1 & 5 CHANGE	PHASE 1 & 5 CHANGE MAY CHANGE TO PHASE 1 & 6, 2 & 5 OR 2 & 6														DW	DW	DW	DW
PHASE 1 & 6	←G←	←G←	G	G	←R←	←R←	R	R	R	R	R	R	R	R	DW	DW	DW	DW
1 & 6 CHANGE	←Y←	←Y←	G	G	←R←	←R←	R	R	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 2 & 5	←R←	←R←	R	R	←G←	←G←	G	G	R	R	R	R	R	R	DW	DW	DW	DW
2 & 5 CHANGE	←R←	←R←	R	R	←Y←	←Y←	G	G	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 2 & 6	←FLR←	←FLR←	G	G	←FLR←	←FLR←	G	G	R	R	R	R	R	R	W	W	DW	DW
PED CLEAR/COUNTDOWN	←FLR←	←FLR←	G	G	←FLR←	←FLR←	G	G	R	R	R	R	R	R	FL/DW	FL/DW	DW	DW
PHASE 2 & 6	←FLR←	←FLR←	Y	Y	←FLR←	←FLR←	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 3	←R←	←R←	R	R	←R←	←R←	R	R	←G←	←G←	G	G	R	R	DW	DW	DW	DW
3 CHANGE	←R←	←R←	R	R	←R←	←R←	R	R	←Y←	←Y←	Y	Y	R	R	DW	DW	DW	DW
PHASE 3 ALT	←R←	←R←	R	R	←R←	←R←	R	R	←G←	←G←	G	G	R	R	DW	DW	W	W
PED CLEAR/COUNTDOWN	←R←	←R←	R	R	←R←	←R←	R	R	←G←	←G←	G	G	R	R	DW	DW	FL/DW	FL/DW
3 ALT CHANGE	←R←	←R←	R	R	←R←	←R←	R	R	←Y←	←Y←	Y	Y	R	R	DW	DW	DW	DW
PHASE 4	←R←	←R←	R	R	←R←	←R←	R	R	R	R	←G←	←G←	G	G	DW	DW	DW	DW
4 CHANGE	←R←	←R←	R	R	←R←	←R←	R	R	R	R	←Y←	←Y←	Y	Y	DW	DW	DW	DW
FLASHING OPERATION	←FLR←	←FLR←	FL/Y	FL/Y	←FLR←	←FLR←	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	DESCRIPTION	QUANTITY	UNITS
9571	SHEET ALUMINUM SIGNS CONSISTING OF: R10-12(2) (48"x36") MAST ARM MOUNT - 2 EACH	24	SF

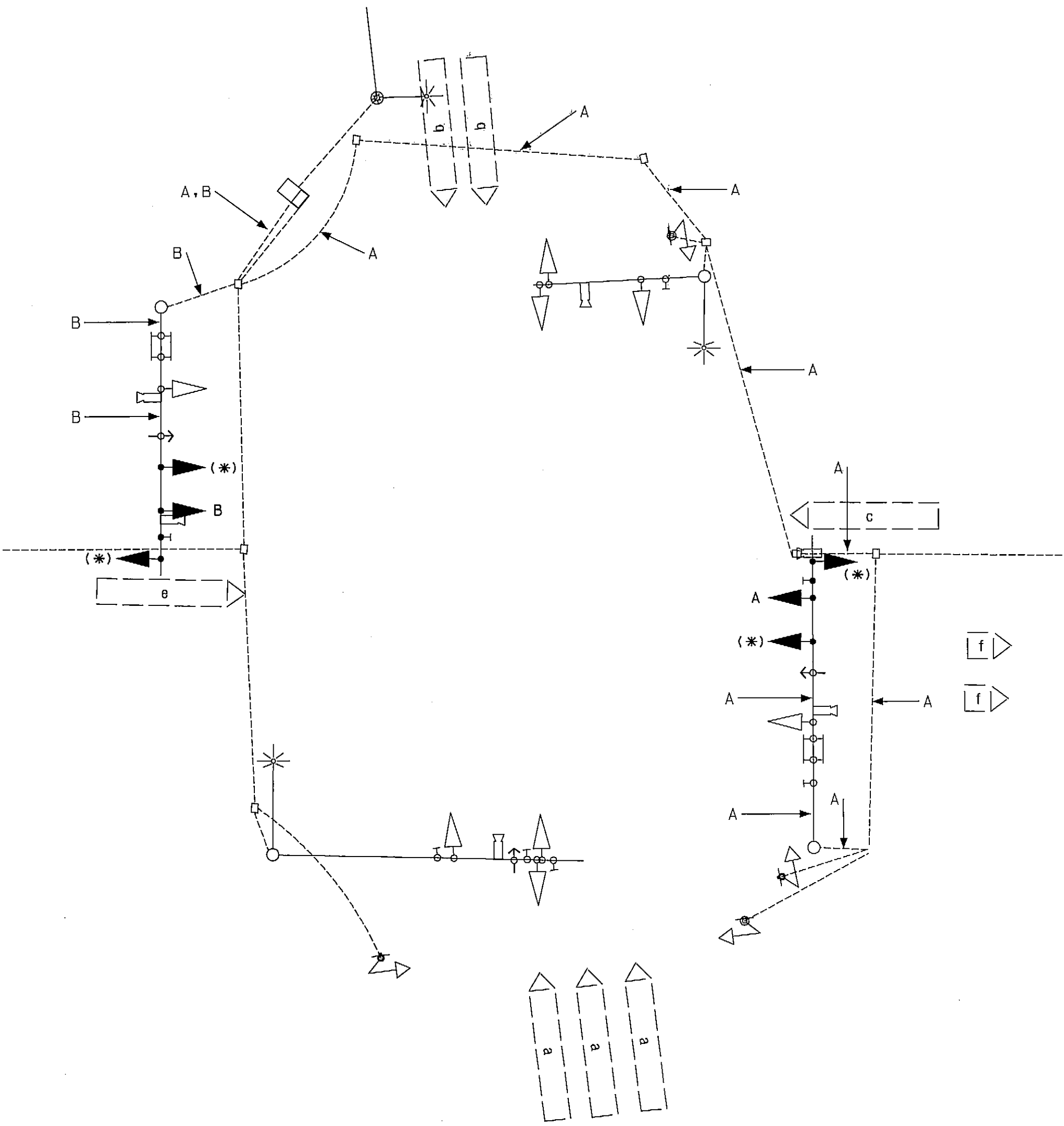
B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION	QUANTITY	UNITS
1001	MAINTENANCE OF TRAFFIC	2	EA
8001	12 INCH LED SIGNAL HEAD SECTION	18	EA
8028	REMOVE AND DISPOSE OF EQUIPMENT (PER ASSIGNMENT)	1	EA
8045	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)	24	SF
8060	ELECTRICL CABLE - 5 CONDUCTOR (NO. 14 AWG)	650	LF

C. EQUIPMENT TO BE REMOVED/RETURNED TO THE SHA

ALL REMOVED SIGNAL EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR UPON COMPLETION OF THE PROJECT.

WIRING DIAGRAM



TOD NO: XY131-03
SHA NO: TA302851
US 50 @ Dutchman's Lane

WIRING KEY

A,B : 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)

(*) : USE EXISTING CABLE

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
US 50 (OCEAN GATEWAY) AND DUTCHMAN'S LANE
EASTON, MARYLAND

GENERAL INFORMATION SHEET

SCALE 1" = 20' ADVERTISED DATE SEPT. 2013 CONTRACT NO. XY1315185

DESIGNED BY MATAMBA KABENGLE COUNTY TALBOT
DRAWN BY MATAMBA KABENGLE LOGMILE 20005012.51
CHECKED BY DERRICK DICKERSON TMS NO. M231
F.A.P. NO. TOD NO.

TS NO. 348 DRAWING SG-02 OF 02 SHEET NO. 2 OF 2